

AMENDMENTS TO THE CLAIMS

By this Response, Applicant is amending Claims 1, 4, 7-9, 11 and 12. Claims 2, 3, 5, 6 and 10 remain as originally filed, and new Claims 13-20 have been added.

1. (Currently Amended) A method for transferring data in a storage system, ~~the storage system comprising a management server, a media agent connected to the management server, a plurality of storage media connected to the media agent, and a data source connected to the media agent,~~ the method comprising:

dividing ~~[[the]]~~ a data source into at least a first portion of data and a second portion of data;

transferring the first and second portions of data from the data source to a first storage medium and a second storage medium using a first data stream and a second data stream respectively;

determining if the first portion of data and the second portion of data can be combined; and

if the first portion of data and the second portion of data can be combined, transferring the first and second portions of data from the first and second storage mediums to a third storage medium using a third combined data stream.

2. (Original) The method as recited in claim 1, wherein the transfer from the first and second storage medium to the third storage medium is performed in chunks.

3. (Original) The method as recited in claim 1, further comprising:

transferring the first and second portion of data from the first and second storage medium to the third and a fourth storage medium using the third combined data stream and a fourth data stream respectively; and

wherein the transfer using the third and fourth data stream is performed based on the type of data of the data source.

4. (Currently Amended) The method as recited in claim 3, ~~whether wherein~~ the transfer using the third and fourth data stream is performed substantially in parallel.

5. (Original) The method as recited in claim 1, wherein the transfer using the third data stream is performed based on a client identification of the first and second portion of data.

6. (Original) The method as recited in claim 1, wherein the transfer using the third data stream is performed based on respective stream numbers of the first and second streams.

7. (Currently Amended) The method as recited in claim 1, further comprising transferring the first and second portion of data from the third storage medium to a fourth storage medium based on respective times when the first and second portions of data were created.

8. (Currently Amended) The method as recited in claim 1, further comprising transferring the first and second portion of data from the third storage medium to a fourth storage medium based on respective offsets of the first and second portion of data stored on the third storage medium.

9. (Currently Amended) A system for transferring data, the system comprising:

a data source;

a media agent connected to the data source;

a management server connected to the media agent;

at least a first storage medium, a second storage medium, and a third storage medium, wherein at least the first storage medium and the second storage medium are connected to the media agent; wherein

the data source is divided into at least a first and a second portion of data;

the media agent is configured to transfer ~~transfers~~ the first and the second portions of data from the data source to the first and second storage medium using a first and second data stream respectively;

the media agent is configured to determine if the first portion of data and the second portion of data are combinable; and

the media agent is configured to transfer ~~transfers~~ the first and second portion of data from the first and second storage medium to the third storage medium using a third combined data stream.

10. (Original) The system as recited in claim 9, wherein the transfer from the first and second storage medium to the third storage medium is performed in chunks.

11. (Currently Amended) A recording medium in a storage system with data stored thereon, ~~the storage system comprising a management server, a media agent connected to the management server, a plurality of storage media connected to the media agent, and a data source connected to the media agent,~~ the data produced by:

splitting a data source into at least a first and a second portion;

transferring the first portion to a first storage medium using a first stream;

transferring the second portion to a second storage medium using a second stream;

determining whether or not the first portion and the second portion are combinable into one or more data streams; and

transferring the first and second portion of data from the first and second storage medium to a third storage medium using a third combined data stream.

12. (Currently Amended) A method for transferring data in a storage system, ~~the storage system comprising a management server including a storage policy, a media agent connected to the management server, a plurality of storage media connected to the media agent, and a data source connected to the media agent,~~ the method comprising:

dividing ~~[[the]]~~ a data source into at least a first and a second portion of data;

transferring the first and second portion of data from the data source to a first number of pieces of storage media;

determining if the first portion of data and the second portion of data are combinable; and

transferring the first and second portion of data from the first number of pieces of storage media to a second number of pieces of storage media, the second number being less than the first number.

13. (New) The method of Claim 1, additionally comprising providing a user notification if the first portion of data and the second portion of data cannot be combined.

14. (New) The method of Claim 1, wherein the first portion of data is associated with a first application and the second portion of data is associated with a second application.

15. (New) The system of Claim 9, wherein the first storage medium has a faster access time than the third storage medium.

16. (New) The system of Claim 15, wherein the first storage medium comprises a magnetic medium.

17. (New) The system of Claim 16, wherein the third storage medium comprises a tape medium.

18. (New) The system of Claim 15, wherein the first storage medium comprises an optical medium.

19. (New) The system of Claim 9, further comprising an archive module configured to store at least one storage policy relating to transferring the first and second portions of data.

20. (New) The system of Claim 19, wherein the media agent is further configured to access the storage policy to determine if the first portion of data and the second portion of data are combinable.